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(54) Title: DEVICE FOR GENERATING UV RADIATION

(57) Abstract: The invention relates to a device for generating ultraviolet radiation by means of an excimer discharge, which device is equipped with an at least partly UV-transparent discharge vessel whose discharge space is filled with a gas filling, with means for triggering and maintaining an excimer discharge in the discharge space, and with a coating that contains a phosphor comprising a host lattice and neodymium(III) as an activator. The invention also relates to the use of the device for photolytic processes.

INTERNATIONAL SEARCH REPORT

Intern— Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J65/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09K H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6 398 970 B1 (DIRSCHERL JUERGEN ET AL) 4 June 2002 (2002-06-04) cited in the application the whole document ---	1-3,5-9
A	EP 0 207 119 A (SECR DEFENCE BRIT) 7 January 1987 (1987-01-07) claims 1-10 ---	1-3
A,P	US 2002/190645 A1 (MEIJERINK ANDRIES ET AL) 19 December 2002 (2002-12-19) claims 1-9 ---	1-3
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Patent family members are listed in annex.

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